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TRANSMITTAL FORM

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Total Number of Pages in This Submission

8

Application Number 10/607,446

Filing Date 06/25/2003

First Named Inventor Vinayak Sant

Art Unit 1632

Examiner Name

Attorney Docket Number 2267.005

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	McHale & Slavin, P.A.		
Signature			
Printed name	Ferris H. Lander		
Date	2/14/2005	Reg. No.	43,377

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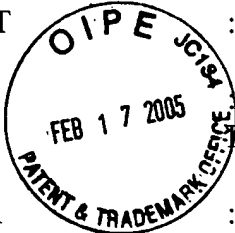
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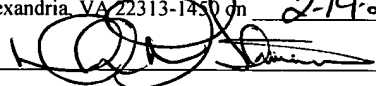
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICANT : Vinayak Sant et al
INVENTION : pH-SENSITIVE BLOCK COPOLYMERS FOR
PHARMACEUTICAL COMPOSITIONS
SERIAL NUMBER : 10/607,446
FILING DATE : June 25, 2003
EXAMINER :
GROUP ART UNIT : 1632
ATTORNEY DOCKET NO. : 2267.005



CERTIFICATE UNDER 37 CFR §1.8(a)
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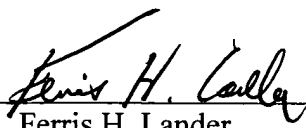
Sir:

Pursuant to the duty of disclosure under 37 CFR §1.56, the references cited on the accompanying forms PTO/SB/08A and PTO/SB/08B are hereby brought to the attention of the Examiner for independent evaluation. The references cited herein have been made of record in parent U. S. Patent Application No. 09/877,999, filed June 8, 2001, upon which the present application claims priority under 35 USC §120. Therefore, pursuant to 37 CFR §1.98(d), Applicants are not required to submit copies of the cited references. Copies of those cited references not previously provided and/or cited in the parent application are enclosed herewith.

Applicants submit that the present invention is patentable over the cited references.

Respectfully submitted,

Date 2/14/2005

By 
Ferris H. Lander
Registration No. 43,377
McHale & Slavin, P.A.
2855 PGA Boulevard
Palm Beach Gardens, FL 33410
Telephone: (561) 625-6575
Facsimile: (561) 625-6572



PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/607,446
Filing Date	06/25/2003
First Named Inventor	Vinayak Sant
Art Unit	1632
Examiner Name	
Attorney Docket Number	2267.005

Sheet 1 of 5

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,620,850	04/15/1997	Bamdad et al	
		US- 5,908,777	06/01/1999	Lee et al	
		US- 5,770,627	06/23/1998	Inoue et al	
		US- 5,955,509	09/21/1999	Webber et al	
		US- 5,693,751	12/02/1997	Sakurai et al	
		US- 5,702,717	12/30/1997	Cha et al	
		US- 5,939,453	08/17/1999	Heller et al	
		US- 5,786,387	07/28/1998	Watanabe et al	
		US- 5,510,103	04/23/1996	Yokoyama et al	
		US- 6,372,203	04/16/2002	Allwohn et al	
		US- 6,440,743	08/27/2002	Kabanov et al	
		US- 6,221,959	04/24/2001	Kabanov et al	
		US- 6,217,912	04/17/2001	Park et al	
		US- 5,656,611	08/12/1997	Kabanov et al	
		US- 5,925,720	07/20/1999	Kataoka et al	
		US- 5,929,177	07/27/1999	Kataoka et al	
		US- 5,840,319	11/24/1998	Alakhov et al	
		US- 2002/0187199A1	12/12/2002	Ranger et al	
		US- 6,491,901	12/10/2002	Gers-Barlag et al	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0963758	12/15/1999	Universiteit Gent		
		WO96/21036	07/11/1996	Chiron Viagene, Inc.		
		WO96/32841	10/24/1996	Burstein Laboratories, Inc.		
		WO98/19710	05/14/1998	E. Schacht et al		
		WO97/33737	09/18/1997	President and Fellows of Harvard College		
		WO98/37902	09/03/1998	The Regents of the University of California		

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/607,446
				Filing Date	06/25/2003
				First Named Inventor	Vinayak Sant
				Art Unit	1632
				Examiner Name	
Sheet	3	of	5	Attorney Docket Number	2267.005

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		B. LELE et al, "Mucoadhesive drug carriers based on complexes of poly(acrylic acid) and PEGylated drugs having hydrolysable PEG-anhydride-drug linkages", Journal of Controlled Release, 69:237-248 (2000)	
		V. COESSENS et al, "Functional polymers by atom transfer radical polymerization", Prog. Polym. Sci., 26:337-377 (2001)	
		Y. KAKIZAWA et al, "Environment-sensitive stabilization of core-shell structured polyion complex micelle by reversible cross-linking of the core through disulfide bond", J. Am. Chem. Soc., 121:11247-11248 (1999)	
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		L. ZHANG et al, "Multiple morphologies of "crew-cut" aggregates of polystyrene-b-poly(acrylic acid) block copolymers", Science, 268:1728-1731 (1995)	

Examiner Signature		Date Considered	
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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				First Named Inventor	Vinayak Sant
				Art Unit	1632
				Examiner Name	
Sheet	4	of	5	Attorney Docket Number	2267.005

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		C. ALLEN et al, "Nano-engineering block copolymer aggregates for drug delivery", Colloids and Surfaces b: Biointerfaces, 16:1-24 (1999)	
		C-L. ZHAO et al, "Fluorescence probe techniques used to study micelle formation in water-soluble block copolymers", Langmuir, 6:514-516 (1990)	
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		L. STRYER, in Biochemistry, Chapter 7, pp. 154-155, fourth edition, W. H. Freeman and Company, New York (1995)	
		M-C. JONES et al, "Polymeric micelles-a new generation of colloidal drug carriers", European Journal of Pharmaceutics and Biopharmaceutics, 48:101-111 (1999)	
		S. FULLERTON et al, "Molecular and population genetic analysis of allelic sequence diversity at the human beta-globin locus", Proc. Natl. Acad. Sci. USA, 91(5):1805-1809 (1994), (GenBank Accession No. AAA21101, published 8/6/1994 - retrieved from http://www.ncbi.nlm.nih.gov:80/entrez/viewer.fcgi?db=protein&val=532507 on 3/30/04)	
		S. LIEBHABER et al, "Cloning and complete nucleotide sequence of human 5'-alpha-globin gene", Proc. Natl. Acad. Sci. USA, 77(12):7054-7058 (1980), (GenBank Accession No. CAA23748 published 4/24/1993 - retrieved from http://www.ncbi.nlm.nih.gov:80/entrez/viewer.fcgi?db=protein&val=51618 on 3/30/04)	

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Sheet	5	of	5	Attorney Docket Number	2267.005

[illegible]

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